# Andrew P Landstrom

## List of Publications by Citations



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|---|---|---|---|
| 69 papers | 2,605 citations | 24 h-index | 50 g-index |
| 95 ext. papers | 3,319 ext. citations | 6.6 avg, IF | 5.03 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 69 | Gain-of-function RAF1 mutations cause Noonan and LEOPARD syndromes with hypertrophic cardiomyopathy. *Nature Genetics*, **2007**, 39, 1007-12 | 36.3 | 523 |
| 68 | Distinguishing arrhythmogenic right ventricular cardiomyopathy/dysplasia-associated mutations from background genetic noise. *Journal of the American College of Cardiology*, **2011**, 57, 2317-27 | 15.1 | 216 |
| 67 | Calcium Signaling and Cardiac Arrhythmias. *Circulation Research*, **2017**, 120, 1969-1993 | 15.7 | 207 |
| 66 | Disrupted junctional membrane complexes and hyperactive ryanodine receptors after acute junctophilin knockdown in mice. *Circulation*, **2011**, 123, 979-88 | 16.7 | 174 |
| 65 | Mutations in JPH2-encoded junctophilin-2 associated with hypertrophic cardiomyopathy in humans. *Journal of Molecular and Cellular Cardiology*, **2007**, 42, 1026-35 | 5.8 | 135 |
| 64 | Mutation E169K in junctophilin-2 causes atrial fibrillation due to impaired RyR2 stabilization. *Journal of the American College of Cardiology*, **2013**, 62, 2010-9 | 15.1 | 120 |
| 63 | Genetics and clinical destiny: improving care in hypertrophic cardiomyopathy. *Circulation*, **2010**, 122, 2430-40; discussion 2440 | 16.7 | 103 |
| 62 | Mutation type is not clinically useful in predicting prognosis in hypertrophic cardiomyopathy. *Circulation*, **2010**, 122, 2441-9; discussion 2450 | 16.7 | 101 |
| 61 | Molecular and functional characterization of novel hypertrophic cardiomyopathy susceptibility mutations in TNNC1-encoded troponin C. *Journal of Molecular and Cellular Cardiology*, **2008**, 45, 281-8 | 5.8 | 85 |
| 60 | Junctophilin-2 expression silencing causes cardiocyte hypertrophy and abnormal intracellular calcium-handling. *Circulation: Heart Failure*, **2011**, 4, 214-23 | 7.6 | 80 |
| 59 | Junctophilin-2 is necessary for T-tubule maturation during mouse heart development. *Cardiovascular Research*, **2013**, 100, 44-53 | 9.9 | 73 |
| 58 | Dysferlin, annexin A1, and mitsugumin 53 are upregulated in muscular dystrophy and localize to longitudinal tubules of the T-system with stretch. *Journal of Neuropathology and Experimental Neurology*, **2011**, 70, 302-13 | 3.1 | 63 |
| 57 | Molecular evolution of the junctophilin gene family. *Physiological Genomics*, **2009**, 37, 175-86 | 3.6 | 60 |
| 56 | Genetic Testing for Inherited Cardiovascular Diseases: A Scientific Statement From the American Heart Association. *Circulation Genomic and Precision Medicine*, **2020**, 13, e000067 | 5.2 | 59 |
| 55 | Emerging roles of junctophilin-2 in the heart and implications for cardiac diseases. *Cardiovascular Research*, **2014**, 103, 198-205 | 9.9 | 46 |
| 54 | The junctophilin family of proteins: from bench to bedside. *Trends in Molecular Medicine*, **2014**, 20, 353-62 | 11.5 | 44 |
| 53 | PLN-encoded phospholamban mutation in a large cohort of hypertrophic cardiomyopathy cases: summary of the literature and implications for genetic testing. *American Heart Journal*, **2011**, 161, 165-71 | 4.9 | 43 |

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|---|---|---|---|
| 52 | A mutation in TNNC1-encoded cardiac troponin C, TNNC1-A31S, predisposes to hypertrophic cardiomyopathy and ventricular fibrillation. *Journal of Biological Chemistry*, **2012**, 287, 31845-55 | 5.4 | 38 |
| 51 | Distinguishing hypertrophic cardiomyopathy-associated mutations from background genetic noise. *Journal of Cardiovascular Translational Research*, **2014**, 7, 347-61 | 3.3 | 37 |
| 50 | Beyond the cardiac myofilament: hypertrophic cardiomyopathy- associated mutations in genes that encode calcium-handling proteins. *Current Molecular Medicine*, **2012**, 12, 507-18 | 2.5 | 37 |
| 49 | Fluorescent in situ hybridization in the diagnosis, prognosis, and treatment monitoring of chronic myeloid leukemia. *Leukemia and Lymphoma*, **2006**, 47, 397-402 | 1.9 | 37 |
| 48 | Novel long QT syndrome-associated missense mutation, L762F, in CACNA1C-encoded L-type calcium channel imparts a slower inactivation tau and increased sustained and window current. *International Journal of Cardiology*, **2016**, 220, 290-8 | 3.2 | 31 |
| 47 | Interpreting Incidentally Identified Variants in Genes Associated With Catecholaminergic Polymorphic Ventricular Tachycardia in a Large Cohort of Clinical Whole-Exome Genetic Test Referrals. *Circulation: Arrhythmia and Electrophysiology*, **2017**, 10, | 6.4 | 27 |
| 46 | Reduced junctional Na+/Ca2+-exchanger activity contributes to sarcoplasmic reticulum Ca2+ leak in junctophilin-2-deficient mice. *American Journal of Physiology - Heart and Circulatory Physiology*, **2014**, 307, H1317-26 | 5.2 | 25 |
| 45 | Hypertension Susceptibility Loci are Associated with Anthracycline-related Cardiotoxicity in Long-term Childhood Cancer Survivors. *Scientific Reports*, **2017**, 7, 9698 | 4.9 | 18 |
| 44 | Utility of peripheral blood dual color, double fusion fluorescent in situ hybridization for BCR/ABL fusion to assess cytogenetic remission status in chronic myeloid leukemia. *Leukemia and Lymphoma* , **2006**, 47, 2055-61 | 1.9 | 18 |
| 43 | An International Multicenter Evaluation of Type 5 Long QT Syndrome: A Low Penetrant Primary Arrhythmic Condition. *Circulation*, **2020**, 141, 429-439 | 16.7 | 15 |
| 42 | The AchillesRheel of cardiovascular genetic testing: distinguishing pathogenic mutations from background genetic noise. *Clinical Pharmacology and Therapeutics*, **2011**, 90, 496-9 | 6.1 | 15 |
| 41 | Novel junctophilin-2 mutation A405S is associated with basal septal hypertrophy and diastolic dysfunction. *JACC Basic To Translational Science*, **2017**, 2, 56-67 | 8.7 | 14 |
| 40 | Meta-analysis of cardiomyopathy-associated variants in troponin genes identifies loci and intragenic hot spots that are associated with worse clinical outcomes. *Journal of Molecular and Cellular Cardiology*, **2020**, 142, 118-125 | 5.8 | 14 |
| 39 | Analysis of enriched rare variants in JPH2-encoded junctophilin-2 among Greater Middle Eastern individuals reveals a novel homozygous variant associated with neonatal dilated cardiomyopathy. *Scientific Reports*, **2019**, 9, 9038 | 4.9 | 12 |
| 38 | Amino acid-level signal-to-noise analysis of incidentally identified variants in genes associated with long QT syndrome during pediatric whole exome sequencing reflects background genetic noise. *Heart Rhythm*, **2018**, 15, 1042-1050 | 6.7 | 11 |
| 37 | Hypertrophic Cardiomyopathy Cardiac Troponin C Mutations Differentially Affect Slow Skeletal and Cardiac Muscle Regulation. *Frontiers in Physiology*, **2017**, 8, 221 | 4.6 | 11 |
| 36 | Variant R94C in -Encoded Troponin T Predisposes to Pediatric Restrictive Cardiomyopathy and Sudden Death Through Impaired Thin Filament Relaxation Resulting in Myocardial Diastolic Dysfunction. *Journal of the American Heart Association*, **2020**, 9, e015111 | 6 | 10 |
| 35 | Incidentally identified genetic variants in arrhythmogenic right ventricular cardiomyopathy-associated genes among children undergoing exome sequencing reflect healthy population variation. *Molecular Genetics & Genomic Medicine*, **2019**, 7, e593 | 2.3 | 9 |

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| 34 | Early experience with intravenous sotalol in children with and without congenital heart disease. *Heart Rhythm*, **2018**, 15, 1862-1869 | 6.7 | 8 |
| 33 | GWAS or Gee Whiz, PSAS or Pshaw: elucidating the biologic and clinical significance of genetic variation in cardiovascular disease. *Heart Rhythm*, **2009**, 6, 1751-3 | 6.7 | 7 |
| 32 | Association of Wolff-Parkinson-White With Left Ventricular Noncompaction Cardiomyopathy in Children. *Journal of Cardiac Failure*, **2019**, 25, 1004-1008 | 3.3 | 6 |
| 31 | Genotype Predicts Outcomes in Fetuses and Neonates With Severe Congenital Long QT Syndrome. *JACC: Clinical Electrophysiology*, **2020**, 6, 1561-1570 | 4.6 | 6 |
| 30 | A comprehensive guide to genetic variants and post-translational modifications of cardiac troponin C. *Journal of Muscle Research and Cell Motility*, **2021**, 42, 323-342 | 3.5 | 6 |
| 29 | Amino Acid-Level Signal-to-Noise Analysis Aids in Pathogenicity Prediction of Incidentally Identified -Encoded Titin Truncating Variants. *Circulation Genomic and Precision Medicine*, **2021**, 14, e003131 | 5.2 | 6 |
| 28 | Genetic Testing for Heritable Cardiovascular Diseases in Pediatric Patients: A Scientific Statement From the American Heart Association. *Circulation Genomic and Precision Medicine*, **2021**, 14, e000086 | 5.2 | 6 |
| 27 | Inflammation and Immune Response in Arrhythmogenic Cardiomyopathy: State-of-the-Art Review. *Circulation*, **2021**, 144, 1646-1655 | 16.7 | 5 |
| 26 | Intravenous sotalol for the management of postoperative junctional ectopic tachycardia. *HeartRhythm Case Reports*, **2018**, 4, 375-377 | 1 | 5 |
| 25 | A 14-year-old in heart failure with multiple cardiomyopathy variants illustrates a role for signal-to-noise analysis in gene test re-interpretation. *Clinical Case Reports (discontinued)*, **2019**, 7, 211-217 | 0.7 | 4 |
| 24 | Determining the Likelihood of Variant Pathogenicity Using Amino Acid-level Signal-to-Noise Analysis of Genetic Variation. *Journal of Visualized Experiments*, **2019**, | 1.6 | 4 |
| 23 | Efficacy of RyR2 inhibitor EL20 in induced pluripotent stem cell-derived cardiomyocytes from a patient with catecholaminergic polymorphic ventricular tachycardia. *Journal of Cellular and Molecular Medicine*, **2021**, 25, 6115 | 5.6 | 4 |
| 22 | Genetic Etiology of Left-Sided Obstructive Heart Lesions: A Story in Development. *Journal of the American Heart Association*, **2021**, 10, e019006 | 6 | 4 |
| 21 | Philadelphia chromosome mosaicism at diagnosis in chronic myeloid leukemia: clinical correlates and effect on imatinib mesylate treatment outcome. *Leukemia and Lymphoma*, **2007**, 48, 2137-40 | 1.9 | 2 |
| 20 | Copy Number Variants of Undetermined Significance Are Not Associated with Worse Clinical Outcomes in Hypoplastic Left Heart Syndrome. *Journal of Pediatrics*, **2018**, 202, 206-211.e2 | 3.6 | 2 |
| 19 | Interpretation of Incidental Genetic Findings Localizing to Genes Associated With Cardiac Channelopathies and Cardiomyopathies. *Circulation Genomic and Precision Medicine*, **2021**, 14, e003200 | 5.2 | 2 |
| 18 | Role of Genetic Testing for Sudden Death Predisposing Heart Conditions in Athletes **2011**, 85-100 | | 2 |
| 17 | Cardiac dysregulation following intrahippocampal kainate-induced status epilepticus. *Scientific Reports*, **2020**, 10, 4043 | 4.9 | 1 |

# List of Publications

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|---|---|---|---|
| 16 | TBX5-encoded T-box transcription factor 5 variant T223M is associated with long QT syndrome and pediatric sudden cardiac death. *American Journal of Medical Genetics, Part A*, **2021**, 185, 923-929 | 2.5 | 1 |
| 15 | Essential roles of the dystrophin-glycoprotein complex in different cardiac pathologies. *Advances in Medical Sciences*, **2021**, 66, 52-71 | 2.8 | 1 |
| 14 | The genetic underpinnings of anthracycline-induced cardiomyopathy predisposition. *Clinical Genetics*, **2021**, 100, 132-143 | 4 | 1 |
| 13 | Engineered bacterial voltage-gated sodium channel platform for cardiac gene therapy.. *Nature Communications*, **2022**, 13, 620 | 17.4 | 0 |
| 12 | Disparities in cardiovascular risk factors by race/ethnicity among adult survivors of childhood cancer: A report from the Childhood Cancer Survivorship Study (CCSS).. *Journal of Clinical Oncology*, **2021**, 39, 10017-10017 | 2.2 | 0 |
| 11 | Differential inflammatory responses of the native left and right ventricle associated with donor heart preservation. *Physiological Reports*, **2021**, 9, e15004 | 2.6 | 0 |
| 10 | -Encoded Sodium-Potassium ATPase Subunit Alpha 3 D801N Variant Is Associated With Shortened QT Interval and Predisposition to Ventricular Fibrillation Preceded by Bradycardia. *Journal of the American Heart Association*, **2021**, 10, e019887 | 6 | 0 |
| 9 | The clinical utility of pediatric cardiomyopathy genetic testing: From diagnosis to a precision medicine-based approach to care. *Progress in Pediatric Cardiology*, **2021**, 62, 101413-101413 | 0.4 | 0 |
| 8 | GENESIS: Gene-Specific Machine Learning Models for Variants of Uncertain Significance Found in Catecholaminergic Polymorphic Ventricular Tachycardia and Long QT Syndrome-Associated Genes.. *Circulation: Arrhythmia and Electrophysiology*, **2022**, 101161CIRCEP121010326 | 6.4 | 0 |
| 7 | Characterization of sedation and anesthesia complications in patients with alternating hemiplegia of childhood.. *European Journal of Paediatric Neurology*, **2022**, 38, 47-52 | 3.8 | 0 |
| 6 | Risk Factors for Sudden Infant Death in North Carolina.. *Frontiers in Pediatrics*, **2021**, 9, 770803 | 3.4 | 0 |
| 5 | Pathogenicity Assignment of Variants in Genes Associated With Cardiac Channelopathies Evolve Toward Diagnostic Uncertainty.. *Circulation Genomic and Precision Medicine*, **2022**, 101161CIRCGEN121003491 | 5.2 | 0 |
| 4 | Additional Cytogenetic Abnormalities and/or Philadelphia Chromosome Metaphase Mosaicism Might Adversely Influence Survival and Imatinib Response in Chronic Myeloid Leukemia.. *Blood*, **2006**, 108, 4783-4783 | 2.2 | |
| 3 | Leveraging Clinical Informatics Tools to Extract Cumulative Anthracycline Exposure, Measure Cardiovascular Outcomes, and Assess Guideline Adherence for Children With Cancer. *JCO Clinical Cancer Informatics*, **2021**, 5, 1062-1075 | 5.2 | |
| 2 | Signal-to-Noise Analysis Can Inform the Likelihood That Incidentally Identified Variants in Sarcomeric Genes Are Associated with Pediatric Cardiomyopathy. *Journal of Personalized Medicine*, **2022**, 12, 733 | 3.6 | |
| 1 | BRG1 is a biomarker of hypertrophic cardiomyopathy in human heart specimens.. *Scientific Reports*, **2022**, 12, 7996 | 4.9 | |